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Title *Preliminary Radome Characterisation in Microwave Anechoic Chamber*

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Abstract

In this report, the effect of replacing the microwave synthesized source with a Klystron, and the automatic antenna-radome positioner with a manual one, in the NAL-MAC is studied for the radome measurements. The repeatability between the different trial measurements are excellent. The temporal fluctuations of the Klystron appears to be eliminated by the pre-determined scan direction of data acquisition. The unsymmetrical nature of the curves is ascribed to the material fabrication uncertainties and is of the order of 1 dB.